Refine Search

Search Results -

Terms	Documents
neural adj network and predict$4 and memory and train$4 and customer$2 and merchant$2	46

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L3

Refine Search

Recall Text   Clear   Interrupt

Search History

DATE: Wednesday, January 28, 2004   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=OR			
L3	neural adj network and predict$4 and memory and train$4 and customer$2 and merchant$2	46	L3
L2	L1 and neural adj network and predict$4 and memory and train$4 and customer$2 and merchant$2	0	L2
L1	706/21.ccls.	136	L1

END OF SEARCH HISTORY

Hit List

Search Results - Record(s) 1 through 46 of 46 returned.

☐ 1.   Document ID: US 20040015425 A1

Using default format because multiple data bases are involved.
```
L3: Entry 1 of 46                    File: PGPB           Jan 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040015425
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040015425 A1

TITLE: Method to improve debt collection practices

PUBLICATION-DATE: January 22, 2004

INVENTOR-INFORMATION:
NAME                          CITY         STATE     COUNTRY      RULE-47
O'Neill, Patrick G.           Wilmette     IL        US

US-CL-CURRENT: 705/35; 705/38
```

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

☐ 2.   Document ID: US 20040009154 A1
```
L3: Entry 2 of 46                    File: PGPB           Jan 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040009154
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040009154 A1

TITLE: Selections of genes and methods of using the same for diagnosis and for
targeting the therapy of select cancers

PUBLICATION-DATE: January 15, 2004

INVENTOR-INFORMATION:
NAME                          CITY         STATE     COUNTRY      RULE-47
Khan, Javed                   Derwood      MD        US
Ringner, Markus               Lund         MD        SE
Peterson, Carsten             Lund                   SE
Meltzer, Paul                 Rockville              US
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US-CL-CURRENT: <u>424</u>/<u>93.21</u>; <u>514</u>/<u>44</u>, <u>536</u>/<u>23.2</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D‹ |

☐ 3.   Document ID: US 20030233305 A1

L3: Entry 3 of 46   File: PGPB   Dec 18, 2003

PGPUB-DOCUMENT-NUMBER: 20030233305
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030233305 A1

TITLE: System, method and apparatus for information collaboration between
intelligent agents in a distributed network

PUBLICATION-DATE: December 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Solomon, Neal	Oakland	CA	US	

US-CL-CURRENT: <u>705</u>/<u>37</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D‹ |

☐ 4.   Document ID: US 20030207278 A1

L3: Entry 4 of 46   File: PGPB   Nov 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030207278
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030207278 A1

TITLE: Methods for analyzing high dimensional data for classifying, diagnosing,
prognosticating, and/or <u>predicting</u> diseases and other biological states

PUBLICATION-DATE: November 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Khan, Javed	Derwood	MD	US	
Ringner, Markus	Lund	MD	SE	
Peterson, Carsten	Lund		SE	
Meltzer, Paul	Rockville		US	

US-CL-CURRENT: <u>435</u>/<u>6</u>; <u>435</u>/<u>7.1</u>, <u>702</u>/<u>19</u>, <u>702</u>/<u>20</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D‹ |

☐ 5.   Document ID: US 20030194704 A1

L3: Entry 5 of 46   File: PGPB   Oct 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030194704
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030194704 A1

TITLE: Human genome-derived single exon nucleic acid probes useful for gene
expression analysis two

PUBLICATION-DATE: October 16, 2003

INVENTOR-INFORMATION:
NAME	CITY	STATE	COUNTRY	RULE-47
Penn, Sharron Gaynor	San Mateo	CA	US	
Rank, David Russell	Fremont	CA	US	
Hanzel, David Kagen	Palo Alto	CA	US	

US-CL-CURRENT: 435/6; 536/24.3

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 6.   Document ID: US 20030120534 A1

L3: Entry 6 of 46   File: PGPB   Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030120534
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030120534 A1

TITLE: Cosmetic affinity indexing

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:
NAME	CITY	STATE	COUNTRY	RULE-47
Giacchetti, Daniela	Paris		FR	
Pardi, Beatrice	Milano		IT	
Rubinstenn, Gilles	Paris		FR	

US-CL-CURRENT: 705/10

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 7.   Document ID: US 20030083936 A1

L3: Entry 7 of 46   File: PGPB   May 1, 2003

PGPUB-DOCUMENT-NUMBER: 20030083936
PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030083936 A1

TITLE: Method and apparatus for dynamic rule and/or offer generation

PUBLICATION-DATE: May 1, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Mueller, Raymond J.	Weston	CT	US	
Van Luchene, Andrew S.	New York	NY	US	
Heier, Jeffrey E.	Somers	NY	US	
Amorossi, Christine	Brookfield	CT	US	
Krishna, Srikant	Holmdel	NJ	US	
Markowitz, Ted	Darien	CT	US	

US-CL-CURRENT: 705/14

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 8. Document ID: US 20030074301 A1

L3: Entry 8 of 46   File: PGPB   Apr 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030074301
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030074301 A1

TITLE: System, method, and apparatus for an intelligent search agent to access data in a distributed network

PUBLICATION-DATE: April 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Solomon, Neal	Oakland	CA	US	

US-CL-CURRENT: 705/37

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 9. Document ID: US 20030065636 A1

L3: Entry 9 of 46   File: PGPB   Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030065636
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030065636 A1

TITLE: Use of artificial intelligence in providing beauty advice

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Peyrelevade, Jerome	Paris		FR	

US-CL-CURRENT: <u>706</u>/<u>62</u>; <u>705</u>/<u>27</u>, <u>706</u>/<u>52</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐   10.   Document ID: US 20030065578 A1

, L3: Entry 10 of 46   File: PGPB   Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030065578
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030065578 A1

TITLE: Methods and systems involving simulated application of beauty products

PUBLICATION-DATE: April 3, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Peyrelevade, Jerome	Paris		FR	
Naudin, Richard	Colombes		FR	

US-CL-CURRENT: <u>705</u>/<u>26</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐   11.   Document ID: US 20020194119 A1

L3: Entry 11 of 46   File: PGPB   Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020194119
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020194119 A1

TITLE: Method and apparatus for evaluating fraud risk in an electronic commerce
transaction

PUBLICATION-DATE: December 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Wright, William	Los Gatos	CA	US	
Hu, Hung-Tzaw	Saratoga	CA	US	

US-CL-CURRENT: <u>705</u>/<u>38</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawn D: |

☐   12.   Document ID: US 20020133721 A1

L3: Entry 12 of 46   File: PGPB   Sep 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020133721
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020133721 A1

TITLE: Systems and methods for dynamic detection and prevention of electronic fraud
and network intrusion

PUBLICATION-DATE: September 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Adjaoute, Akli	Joinville le Pont		FR	

US-CL-CURRENT: 713/201

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawn D: |

☐   13.   Document ID: US 20020099649 A1

L3: Entry 13 of 46   File: PGPB   Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020099649
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020099649 A1

TITLE: Identification and management of fraudulent credit/debit card purchases at
merchant ecommerce sites

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lee, Walter W.	La Mesa	CA	US	
Milana, Joseph P.	San Diego	CA	US	
Wilhelm, Wesley K.	Spokane	WA	US	
Shao, Min	San Diego	CA	US	

US-CL-CURRENT: 705/38

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawn D: |

☐   14.   Document ID: US 20020069134 A1

L3: Entry 14 of 46   File: PGPB   Jun 6, 2002

PGPUB-DOCUMENT-NUMBER: 20020069134
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020069134 A1

TITLE: System, method and apparatus for aggregation of cooperative intelligent agents for procurement in a distributed network

PUBLICATION-DATE: June 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Solomon, Neal	Oakland	CA	US	

US-CL-CURRENT: 705/26

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 15.   Document ID: US 20020055906 A1

L3: Entry 15 of 46   File: PGPB   May 9, 2002

PGPUB-DOCUMENT-NUMBER: 20020055906
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020055906 A1

TITLE: Methods and apparatus for intelligent selection of goods and services in telephonic and electronic commerce

PUBLICATION-DATE: May 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Katz, Ronald A.	Los Angeles	CA	US	
West, Gary L.	Omaha	NE	US	
Barker, Thomas B.	Omaha	NE	US	

US-CL-CURRENT: 705/39; 705/26, 705/38

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 16.   Document ID: US 20020055903 A1

L3: Entry 16 of 46   File: PGPB   May 9, 2002

PGPUB-DOCUMENT-NUMBER: 20020055903
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020055903 A1

TITLE: System, method, and apparatus for a cooperative communications network

PUBLICATION-DATE: May 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Solomon, Neal	Oakland	CA	US	

US-CL-CURRENT: <u>705</u>/<u>37</u>; <u>705</u>/<u>26</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D

☐   17.   Document ID: US 20020048763 A1

L3: Entry 17 of 46   File: PGPB   Apr 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020048763
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020048763 A1

TITLE: Human genome-derived single exon nucleic acid probes useful for gene expression analysis

PUBLICATION-DATE: April 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Penn, Sharron Gaynor	San Mateo	CA	US	
Rank, David Russell	Fremont	CA	US	
Chen, Wensheng	Mountain View	CA	US	
Hanzel, David Kagen	Palo Alto	CA	US	

US-CL-CURRENT: <u>435</u>/<u>6</u>; <u>536</u>/<u>24.3</u>

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D

☐   18.   Document ID: US 20020046157 A1

L3: Entry 18 of 46   File: PGPB   Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020046157
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020046157 A1

TITLE: System, method and apparatus for demand-initiated intelligent negotiation agents in a distributed network

PUBLICATION-DATE: April 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Solomon, Neal	Oakland	CA	US	

US-CL-CURRENT: <u>705</u>/<u>37</u>; <u>705</u>/<u>27</u>, <u>719</u>/<u>317</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 19. Document ID: US 6681029 B1

L3: Entry 19 of 46   File: USPT   Jan 20, 2004

US-PAT-NO: 6681029
DOCUMENT-IDENTIFIER: US 6681029 B1

TITLE: Decoding steganographic messages embedded in media signals

DATE-ISSUED: January 20, 2004

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR		

US-CL-CURRENT: <u>382</u>/<u>100</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 20. Document ID: US 6675146 B2

L3: Entry 20 of 46   File: USPT   Jan 6, 2004

US-PAT-NO: 6675146
DOCUMENT-IDENTIFIER: US 6675146 B2

TITLE: Audio steganography

DATE-ISSUED: January 6, 2004

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR		

US-CL-CURRENT: <u>704</u>/<u>270</u>; <u>380</u>/<u>252</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 21. Document ID: US 6671818 B1

L3: Entry 21 of 46   File: USPT   Dec 30, 2003

US-PAT-NO: 6671818
DOCUMENT-IDENTIFIER: US 6671818 B1

TITLE: Problem isolation through translating and filtering events into a standard

object format in a network based supply chain

DATE-ISSUED: December 30, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mikurak; Michael G.	Hamilton	NJ		

US-CL-CURRENT: <u>714/4</u>; <u>714/43</u>, <u>714/48</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 22. Document ID: US 6654480 B2

L3: Entry 22 of 46   File: USPT   Nov 25, 2003

US-PAT-NO: 6654480
DOCUMENT-IDENTIFIER: US 6654480 B2

TITLE: Audio appliance and monitoring device responsive to watermark data

DATE-ISSUED: November 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR		

US-CL-CURRENT: <u>382/100</u>; <u>380/252</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 23. Document ID: US 6647129 B2

L3: Entry 23 of 46   File: USPT   Nov 11, 2003

US-PAT-NO: 6647129
DOCUMENT-IDENTIFIER: US 6647129 B2

TITLE: Method and system for encoding image and audio content

DATE-ISSUED: November 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR		

US-CL-CURRENT: <u>382/100</u>; <u>348/461</u>, <u>380/210</u>, <u>704/273</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 24.   Document ID: US 6629081 B1

L3: Entry 24 of 46 ·   File: USPT   Sep 30, 2003

US-PAT-NO: 6629081
DOCUMENT-IDENTIFIER: US 6629081 B1
** See image for **Certificate of Correction** **

TITLE: Account settlement and financing in an e-commerce environment

DATE-ISSUED: September 30, 2003

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Cornelius; Richard D.	Santa Monica	CA		
Stepniczka; Andreas	San Francisco	CA		
Chu; Kevin	Atlanta	GA		

US-CL-CURRENT: 705/30

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequence | Attachments | Claims | KWIC | Draw De |

☐ 25.   Document ID: US 6606744 B1

L3: Entry 25 of 46   File: USPT   Aug 12, 2003

US-PAT-NO: 6606744
DOCUMENT-IDENTIFIER: US 6606744 B1

TITLE: Providing collaborative installation management in a network-based supply chain environment

DATE-ISSUED: August 12, 2003

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Mikurak; Michael G.	Hamilton	NJ		

US-CL-CURRENT: 717/174; 705/26, 717/178

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequence | Attachments | Claims | KWIC | Draw De |

☐ 26.   Document ID: US 6587821 B1

L3: Entry 26 of 46   File: USPT   Jul 1, 2003

US-PAT-NO: 6587821
DOCUMENT-IDENTIFIER: US 6587821 B1

TITLE: Methods for decoding watermark data from audio, and controlling audio

devices in accordance therewith

DATE-ISSUED: July 1, 2003

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR	97068	

US-CL-CURRENT: 704/270; 380/252

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 27.   Document ID: US 6567780 B2

L3: Entry 27 of 46   File: USPT   May 20, 2003

US-PAT-NO: 6567780
DOCUMENT-IDENTIFIER: US 6567780 B2

TITLE: Audio with hidden in-band digital data

DATE-ISSUED: May 20, 2003

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR		

US-CL-CURRENT: 704/273; 380/252

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 28.   Document ID: US 6567533 B1

L3: Entry 28 of 46   File: USPT   May 20, 2003

US-PAT-NO: 6567533
DOCUMENT-IDENTIFIER: US 6567533 B1

TITLE: Method and apparatus for discerning image distortion by reference to encoded marker signals

DATE-ISSUED: May 20, 2003

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR		

US-CL-CURRENT: 382/100

| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KWIC | Draw D |

☐ 29.   Document ID: US 6553129 B1

L3: Entry 29 of 46   File: USPT   Apr 22, 2003

US-PAT-NO: 6553129
DOCUMENT-IDENTIFIER: US 6553129 B1

TITLE: Computer system linked by using information in data objects

DATE-ISSUED: April 22, 2003

INVENTOR-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY
Rhoads; Geoffrey   West Linn   OR

US-CL-CURRENT: 382/100

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 30.   Document ID: US 6542618 B1

L3: Entry 30 of 46   File: USPT   Apr 1, 2003

US-PAT-NO: 6542618
DOCUMENT-IDENTIFIER: US 6542618 B1

TITLE: Methods for watermark decoding

DATE-ISSUED: April 1, 2003

INVENTOR-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY
Rhoads; Geoffrey B.   West Linn   OR

US-CL-CURRENT: 382/100; 348/461, 386/94

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 31.   Document ID: US 6539095 B1

L3: Entry 31 of 46   File: USPT   Mar 25, 2003

US-PAT-NO: 6539095
DOCUMENT-IDENTIFIER: US 6539095 B1

TITLE: Audio watermarking to convey auxiliary control information, and media embodying same

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR	97068	

US-CL-CURRENT: <u>381</u>/<u>73.1</u>; <u>380</u>/<u>252</u>, <u>382</u>/<u>100</u>, <u>704</u>/<u>270</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 32.   Document ID: US 6496591 B1

L3: Entry 32 of 46   File: USPT   Dec 17, 2002

US-PAT-NO: 6496591
DOCUMENT-IDENTIFIER: US 6496591 B1

TITLE: Video copy-control with plural embedded signals

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR		

US-CL-CURRENT: <u>382</u>/<u>100</u>; <u>386</u>/<u>94</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 33.   Document ID: US 6430305 B1

L3: Entry 33 of 46   File: USPT   Aug 6, 2002

US-PAT-NO: 6430305
DOCUMENT-IDENTIFIER: US 6430305 B1

TITLE: Identity verification methods

DATE-ISSUED: August 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Decker; Joseph E.	San Jose	CA		

US-CL-CURRENT: <u>382</u>/<u>116</u>; <u>340</u>/<u>5.41</u>, <u>340</u>/<u>5.53</u>, <u>340</u>/<u>5.83</u>, <u>382</u>/<u>124</u>, <u>382</u>/<u>156</u>, <u>382</u>/<u>228</u>, <u>705</u>/<u>44</u>, <u>902</u>/<u>5</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 34.   Document ID: US 6430302 B2

L3: Entry 34 of 46   File: USPT   Aug 6, 2002

US-PAT-NO: 6430302
DOCUMENT-IDENTIFIER: US 6430302 B2

TITLE: Steganographically encoding a first image in accordance with a second image

DATE-ISSUED: August 6, 2002

INVENTOR-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY
Rhoads; Geoffrey B.   West Linn   OR

US-CL-CURRENT: 382/100; 382/284

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

□ 35.   Document ID: US 6404898 B1

L3: Entry 35 of 46   File: USPT   Jun 11, 2002

US-PAT-NO: 6404898
DOCUMENT-IDENTIFIER: US 6404898 B1

TITLE: Method and system for encoding image and audio content

DATE-ISSUED: June 11, 2002

INVENTOR-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY
Rhoads; Geoffrey B.   West Linn   OR

US-CL-CURRENT: 382/100; 380/287, 713/176

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

□ 36.   Document ID: US 6400827 B1

L3: Entry 36 of 46   File: USPT   Jun 4, 2002

US-PAT-NO: 6400827
DOCUMENT-IDENTIFIER: US 6400827 B1

TITLE: Methods for hiding in-band digital data in images and video

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:
NAME   CITY   STATE   ZIP CODE   COUNTRY
Rhoads; Geoffrey B.   West Linn   OR

US-CL-CURRENT: <u>382</u>/<u>100</u>;   <u>386</u>/<u>94</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

    ☐   37.   Document ID: US 6381341 B1

L3: Entry 37 of 46   File: USPT   Apr 30, 2002

US-PAT-NO: 6381341
DOCUMENT-IDENTIFIER: US 6381341 B1

TITLE: Watermark encoding method exploiting biases inherent in original signal

DATE-ISSUED: April 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR		

US-CL-CURRENT: <u>382</u>/<u>100</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

    ☐   38.   Document ID: US 6363159 B1

L3: Entry 38 of 46   File: USPT   Mar 26, 2002

US-PAT-NO: 6363159
DOCUMENT-IDENTIFIER: US 6363159 B1

TITLE: Consumer audio appliance responsive to watermark data

DATE-ISSUED: March 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR		

US-CL-CURRENT: <u>382</u>/<u>100</u>;   <u>380</u>/<u>252</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

    ☐   39.   Document ID: US 6343138 B1

L3: Entry 39 of 46   File: USPT   Jan 29, 2002

US-PAT-NO: 6343138
DOCUMENT-IDENTIFIER: US 6343138 B1

TITLE: Security documents with hidden digital data

DATE-ISSUED: January 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR		

US-CL-CURRENT: <u>382</u>/<u>100</u>; <u>283</u>/<u>901</u>, <u>382</u>/<u>135</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 40. Document ID: US 6330335 B1

L3: Entry 40 of 46   File: USPT   Dec 11, 2001

US-PAT-NO: 6330335
DOCUMENT-IDENTIFIER: US 6330335 B1

TITLE: Audio steganography

DATE-ISSUED: December 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR		

US-CL-CURRENT: <u>380</u>/<u>252</u>; <u>380</u>/<u>253</u>, <u>380</u>/<u>254</u>, <u>713</u>/<u>176</u>, <u>713</u>/<u>190</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 41. Document ID: US 6289108 B1

L3: Entry 41 of 46   File: USPT   Sep 11, 2001

US-PAT-NO: 6289108
DOCUMENT-IDENTIFIER: US 6289108 B1

TITLE: Methods for detecting alteration of audio and images

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR		

US-CL-CURRENT: <u>382</u>/<u>100</u>; <u>380</u>/<u>252</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 42. Document ID: US 6266430 B1

L3: Entry 42 of 46   File: USPT   Jul 24, 2001

US-PAT-NO: 6266430
DOCUMENT-IDENTIFIER: US 6266430 B1

TITLE: Audio or video steganography

DATE-ISSUED: July 24, 2001

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Rhoads; Geoffrey B.	West Linn	OR		

US-CL-CURRENT: 382/100

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 43. Document ID: US 6134532 A

L3: Entry 43 of 46   File: USPT   Oct 17, 2000

US-PAT-NO: 6134532
DOCUMENT-IDENTIFIER: US 6134532 A

TITLE: System and method for optimal adaptive matching of users to most relevant entity and information in real-time

DATE-ISSUED: October 17, 2000

INVENTOR-INFORMATION:
NAME	CITY	STATE	ZIP CODE	COUNTRY
Lazarus; Michael A.	Del Mar	CA		
Caid; William R.	San Diego	CA		
Pugh; Richard S.	Poway	CA		
Kindig; Bradley D.	Poway	CA		
Russell; Gerald S.	San Diego	CA		
Brown; Kenneth B.	San Diego	CA		
Dunning; Ted E.	San Diego	CA		
Carleton; Joel L.	San Diego	CA		

US-CL-CURRENT: 705/14; 705/1, 705/26

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 44. Document ID: US 5970482 A

L3: Entry 44 of 46   File: USPT   Oct 19, 1999

US-PAT-NO: 5970482
DOCUMENT-IDENTIFIER: US 5970482 A

TITLE: System for data mining using neuroagents

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pham; Khai Minh	Menlo Park	CA		
Rajkovic; Eric Bertrand	Foster City	CA		
Piffero; Veronique	Menlo Park	CA		

US-CL-CURRENT: 706/16; 706/12, 706/45

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 45. Document ID: US 5819226 A

L3: Entry 45 of 46   File: USPT   Oct 6, 1998

US-PAT-NO: 5819226
DOCUMENT-IDENTIFIER: US 5819226 A
** See image for Certificate of Correction **

TITLE: Fraud detection using predictive modeling

DATE-ISSUED: October 6, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gopinathan; Krishna M.	San Diego	CA		
Biafore; Louis S.	San Diego	CA		
Ferguson; William M.	San Diego	CA		
Lazarus; Michael A.	San Diego	CA		
Pathria; Anu K.	Oakland	CA		
Jost; Allen	San Diego	CA		

US-CL-CURRENT: 705/44.

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐ 46. Document ID: WO 200104808 A1, EP 1212716 A1, AU 200063247 A

L3: Entry 46 of 46   File: DWPI   Jan 18, 2001

DERWENT-ACC-NO: 2001-521285
DERWENT-WEEK: 200239
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TITLE: Customer and merchant interaction system for predicting future revenue from

game machines in casino, retrieves <u>prediction</u> data representing future interactions between <u>customers and merchants</u>

INVENTOR: CARDNO, A J

PRIORITY-DATA: 1999NZ-0336743 (July 13, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>WO 200104808 A1</u>	January 18, 2001	E	031	G06F017/60
<u>EP 1212716 A1</u>	June 12, 2002	E	000	G06F017/60
<u>AU 200063247 A</u>	January 30, 2001		000	G06F017/60

INT-CL (IPC): <u>G06 F 17/60</u>

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

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1 **Fractal image coding as generalized predictive coding**
Lin, D.W.;
Image Processing, 1994. Proceedings. ICIP-94., IEEE International
Conference , Volume: 3 , 13-16 Nov. 1994
Pages:117 - 121 vol.3

[Abstract]   [PDF Full-Text (360 KB)]   **IEEE CNF**

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2 **Lossless compression by simulated annealing**
Bowen-Wright, R.; Sayood, K.;
Data Compression Conference, 1995. DCC '95. Proceedings , 28-30 March 19
Pages:452

[Abstract]   [PDF Full-Text (44 KB)]   **IEEE CNF**

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3 **On augmenting trace cache for high-bandwidth value prediction**
Sang-Jeong Lee; Pen-Chung Yew;
Computers, IEEE Transactions on , Volume: 51 , Issue: 9 , Sept. 2002
Pages:1074 - 1088

[Abstract]   [PDF Full-Text (4378 KB)]   **IEEE JNL**

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4 **Optimum precise-clock prediction and its applications**
Shouhong Zhu;
Frequency Control Symposium, 1997., Proceedings of the 1997 IEEE
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Pages:412 - 417

[Abstract]   [PDF Full-Text (316 KB)]   **IEEE CNF**

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5 On optimal sequential prediction for general processes
Nobel, A.B.;
Information Theory, IEEE Transactions on , Volume: 49 , Issue: 1 , Jan. 2003
Pages:83 - 98

[Abstract]   [PDF Full-Text (1252 KB)]   **IEEE JNL**

6 Generalized B pictures and the draft H.264/AVC video-compression standard
Flierl, M.; Girod, B.;
Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 13 , Issue: 7 , July 2003
Pages:587 - 597

[Abstract]   [PDF Full-Text (702 KB)]   **IEEE JNL**

7 Control flow prediction schemes for wide-issue superscalar process
Dutta, S.; Franklin, M.;
Parallel and Distributed Systems, IEEE Transactions on , Volume: 10 , Issue: 4 , April 1999
Pages:346 - 359

[Abstract]   [PDF Full-Text (716 KB)]   **IEEE JNL**

8 The cascaded predictor: economical and adaptive branch target prediction
Driesen, K.; Holzle, U.;
Microarchitecture, 1998. MICRO-31. Proceedings. 31st Annual ACM/IEEE International Symposium on , 30 Nov.-2 Dec. 1998
Pages:249 - 258

[Abstract]   [PDF Full-Text (88 KB)]   **IEEE CNF**

9 Exploiting prediction error in a predictive-based connectionist spee recognition system
Petek, B.; Ferligoj, A.;
Acoustics, Speech, and Signal Processing, 1993. ICASSP-93., 1993 IEEE International Conference on , Volume: 2 , 27-30 April 1993
Pages:267 - 270 vol.2

[Abstract]   [PDF Full-Text (328 KB)]   **IEEE CNF**

10 Noncausal image prediction and reconstruction
Marchand, J.F.P.; Rhody, H.E.;
Data Compression Conference, 1997. DCC '97. Proceedings , 25-27 March 19
Pages:453

[Abstract]   [PDF Full-Text (60 KB)]   **IEEE CNF**

11 Using dataflow based context for accurate value prediction
Thomas, R.; Franklin, M.;
Parallel Architectures and Compilation Techniques, 2001. Proceedings. 2001 International Conference on , 8-12 Sept. 2001

Pages:107 - 117

[Abstract]   [PDF Full-Text (920 KB)]   **IEEE CNF**

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12 **Design of long-range predictive control algorithms for industrial applications**
Duan, J.; Grimble, M.;
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Nov 1991
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13 **A high precision global prediction approach based on local predicti· approaches**
Shun-Feng Su; Chan-Ben Lin; Yen-Tseng Hsu;
Systems, Man and Cybernetics, Part C, IEEE Transactions on , Volume: 32 , I
4 , Nov. 2002
Pages:416 - 425

[Abstract]   [PDF Full-Text (580 KB)]   **IEEE JNL**

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14 **Fully vector-quantized neural network-based code-excited nonline· predictive speech coding**
Lizhong Wu; Niranjan, M.; Fallside, F.;
Speech and Audio Processing, IEEE Transactions on , Volume: 2 , Issue: 4 , C
1994
Pages:482 - 489

[Abstract]   [PDF Full-Text (584 KB)]   **IEEE JNL**

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15 **A comparative analysis of schemes for correlated branch predictioı**
Young, C.; Gloy, N.; Smith, M.D.;
Computer Architecture, 1995. Proceedings. 22nd Annual International Sympo
on , 22-24 June 1995
Pages:276 - 286

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Sasa Dekleva
Communications of the AIS June 2000

2 Agent-oriented technology in support of e-business   77%
Mike P. Papazoglou
Communications of the ACM April 2001
Volume 44 Issue 4

3 Identifying prospective customers   77%
Paul B. Chou , Edna Grossman , Dimitrios Gunopulos , Pasumarti Kamesam
Proceedings of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining August 2000

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1 A survey of data mining and knowledge discovery software tools   82%
Michael Goebel , Le Gruenwald
ACM SIGKDD Explorations Newsletter June 1999
Volume 1 Issue 1
> Knowledge discovery in databases is a rapidly growing field, whose development is driven by strong research interests as well as urgent practical, social, and economical needs. While the last few years knowledge discovery tools have been used mainly in research environments, sophisticated software products are now rapidly emerging. In this paper, we provide an overview of common knowledge discovery tasks and approaches to solve these tasks. We propose a feature classification scheme that can be ...

2 Recommender systems using linear classifiers   82%
Tong Zhang , Vijay S. Iyengar
The Journal of Machine Learning Research March 2002
Volume 2
> Recommender systems use historical data on user preferences and other available data on users (for example, demographics) and items (for example, taxonomy) to predict items a new user might like. Applications of these methods include recommending items for purchase and personalizing the browsing experience on a web-site. Collaborative filtering methods have focused on using just the history of user preferences to make the recommendations. These methods have been categorized as *memory-based*

3 Item-based top-*N* recommendation algorithms   80%
Mukund Deshpande , George Karypis
ACM Transactions on Information Systems (TOIS) January 2004

Volume 22 Issue 1
The explosive growth of the world-wide-web and the emergence of e-commerce has led to the development of *recommender systems*---a personalized information filtering technology used to identify a set of items that will be of interest to a certain user. User-based collaborative filtering is the most successful technology for building recommender systems to date and is extensively used in many commercial recommender systems. Unfortunately, the computational complexity of these methods grows l ...

4 Tree induction vs. logistic regression: a learning-curve analysis   80%
Claudia Perlich , Foster Provost , Jeffrey S. Simonoff
The Journal of Machine Learning Research September 2003
Volume 4
Tree induction and logistic regression are two standard, off-the-shelf methods for building models for classification. We present a large-scale experimental comparison of logistic regression and tree induction, assessing classification accuracy and the quality of rankings based on class-membership probabilities. We use a learning-curve analysis to examine the relationship of these measures to the size of the training set. The results of the study show several things. (1) Contrary to some prior o ...

5 Learning response time for WebSources using query feedback and   80%
application in query optimization
Jean-Robert Gruser , Louiqa Raschid , Vladimir Zadorozhny , Tao Zhan
The VLDB Journal — The International Journal on Very Large Data Bases March 2000
Volume 9 Issue 1
The rapid growth of the Internet and support for interoperability protocols has increased the number of Web accessible sources, WebSources. Current wrapper mediator architectures need to be extended with a wrapper cost model (WCM) for WebSources that can estimate the response time (delays) to access sources as well as other relevant statistics. In this paper, we present a Web prediction tool (WebPT), a tool that is based on learning using query feedback from WebSources. The WebPT uses dimensions ...

6 Measuring system normality   80%
Mark Burgess , Hårek Haugerud , Sigmund Straumsnes , Trond Reitan
ACM Transactions on Computer Systems (TOCS) May 2002
Volume 20 Issue 2
A comparative analysis of transaction time-series is made, for light to moderately loaded hosts, motivated by the problem of anomaly detection in computers. Criteria for measuring the statistical state of hosts are examined. Applying a scaling transformation to the measured data, it is found that the distribution of fluctuations about the mean is closely approximated by a steady-state, maximum-entropy distribution, modulated by a periodic variation. The shape of the distribution, under these con ...

7 High performance data mining (tutorial PM-3)   80%
Vipin Kumar , Mohammed Zaki
Tutorial notes of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining August 2000

8 Efficient search for association rules   80%

Geoffrey I. Webb
**Proceedings of the sixth ACM SIGKDD international conference on Knowledge
discovery and data mining** August 2000

9 Industry track papers: Handling very large numbers of association rules 80%
in the analysis of microarray data
Alexander Tuzhilin , Gediminas Adomavicius
**Proceedings of the eighth ACM SIGKDD international conference on Knowledge
discovery and data mining** July 2002
> The problem of analyzing microarray data became one of important topics in
> bioinformatics over the past several years, and different data mining techniques have
> been proposed for the analysis of such data. In this paper, we propose to use
> association rule discovery methods for determining associations among expression
> levels of different genes. One of the main problems related to the discovery of these
> associations is the scalability issue. Microarrays usually contain very large numbers of
> genes ...

10 Computing curricula 2001 80%
Journal on Educational Resources in Computing (JERIC) September 2001

11 IS '97: model curriculum and guidelines for undergraduate degree 77%
programs in information systems
Gordon B. Davis , John T. Gorgone , J. Daniel Couger , David L. Feinstein , Herbert E.
Longenecker
**ACM SIGMIS Database , Guidelines for undergraduate degree programs on Model
curriculum and guidelines for undergraduate degree programs in information
systems** December 1997
Volume 28 Issue 1

12 Applying associative retrieval techniques to alleviate the sparsity 77%
problem in collaborative filtering
Zan Huang , Hsinchun Chen , Daniel Zeng
ACM Transactions on Information Systems (TOIS) January 2004
Volume 22 Issue 1 .
> Recommender systems are being widely applied in many application settings to
> suggest products, services, and information items to potential consumers.
> Collaborative filtering, the most successful recommendation approach, makes
> recommendations based on past transactions and feedback from consumers sharing
> similar interests. A major problem limiting the usefulness of collaborative filtering is
> the sparsity problem, which refers to a situation in which transactional or feedback
> data is sparse and i ...

13 Evolving data mining into solutions for insights: Scaling mining 77%
algorithms to large databases
Paul Bradley , Johannes Gehrke , Raghu Ramakrishnan , Ramakrishnan Srikant
Communications of the ACM August 2002
Volume 45 Issue 8
> Which insights about data structure make it possible to analyze the very large
> databases collected by Internet, business, scientific, and government applications?

14 Evolving data mining into solutions for insights: Data-driven evolution of 77%
data mining algorithms
Padhraic Smyth , Daryl Pregibon , Christos Faloutsos
Communications of the ACM August 2002
Volume 45 Issue 8
> Fundamentally, these algorithms are driven by the nature of the data being analyzed,
> in both scientific and commercial applications.

15 The impact of information systems on organizations and markets   77%
Vijay Gurbaxani , Seungjin Whang
Communications of the ACM January 1991
Volume 34 Issue 1
> The adoption of information technology (IT) in organizations has been growing at a
> rapid pace. The use of the technology has evolved from the automation of structured
> processes to systems that are truly revolutionary in that they introduce change into
> fundamental business procedures. Indeed, it is believed that "More than being helped
> by computers, companies will live by them, shaping strategy and structure to fit new
> information technology [25]." While the importance of the rel ...

16 Cluster ensembles --- a knowledge reuse framework for combining   77%
multiple partitions
Alexander Strehl , Joydeep Ghosh
The Journal of Machine Learning Research March 2003
Volume 3
> This paper introduces the problem of combining multiple partitionings of a set of
> objects into a single consolidated clustering *without* accessing the features or
> algorithms that determined these partitionings. We first identify several application
> scenarios for the resultant 'knowledge reuse' framework that we call *cluster
> ensembles*. The cluster ensemble problem is then formalized as a combinatorial
> optimization problem in terms of shared mutual information. In addition to a direct ...

17 An expert system for credit evaluation and explanation   77%
Luke Hodgkinson , Ellen Walker
The Journal of Computing in Small Colleges October 2003
Volume 19 Issue 1
> We present an expert system, Credit Evaluation and Explanation Expert System
> (CEEES), that decides whether to grant credit lines to applicant firms. CEEES, which is
> developed in Prolog, uses a meta-level interpreter to generate proofs for its decisions.
> The rule-based language used by CEEES enables the various models and decision-
> making processes used by individual financial institutions to be easily incorporated into
> the knowledge base, allowing adaptability for commercial ventures. We evaluate ...

18 Foundation of a framework to support knowledge management in the   77%
field of context-aware and pervasive computing
Philipp Amann , Gerald Quirchmayr
**Proceedings of the Australasian information security workshop conference on
ACSW frontiers 2003 - Volume 21** January 2003
> In this paper we propose a framework to combine Knowledge Management and
> context-aware and pervasive computing, emphasizing on synchronization and
> adaptation issues of workflow processes in mobile settings. The key aspect of the
> proposed framework is to enable adaptive, two-way interaction between context-
> aware systems and users in mobile settings. In contrast to existing concepts, we aim
> at capturing active feedback from users, which should contribute to the *Organizational*

Memory, after ...

19 Fast detection of communication patterns in distributed executions   77%
Thomas Kunz , Michiel F. H. Seuren
Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research November 1997
> Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

20 Sequences and strings: On effective classification of strings with   77%
wavelets
Charu C. Aggarwal
Proceedings of the eighth ACM SIGKDD international conference on Knowledge discovery and data mining July 2002
> In recent years, the technological advances in mapping genes have made it increasingly easy to store and use a wide variety of biological data. Such data are usually in the form of very long strings for which it is difficult to determine the most relevant features for a classification task. For example, a typical DNA string may be millions of characters long, and there may be thousands of such strings in a database. In many cases, the classification behavior of the data may be hidden in the comp ...

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21 A template model for multidimensional inter-transactional association rules   77%
Ling Feng , Jeffrey Xu Yu , Hongjun Lu , Jiawei Han
The VLDB Journal — The International Journal on Very Large Data Bases October 2002
Volume 11 Issue 2
   Multidimensional inter-transactional association rules extend the traditional association rules to describe more general associations among items with multiple properties across transactions. "*After McDonald and Burger King open branches, KFC will open a branch two months later and one mile away*" is an example of such rules. Since the number of potential inter-transactional association rules tends to be extremely large, mining inter-transactional associations poses more challe ...

22 Web mining for web personalization   77%
Magdalini Eirinaki , Michalis Vazirgiannis
ACM Transactions on Internet Technology (TOIT) February 2003
Volume 3 Issue 1
   Web personalization is the process of customizing a Web site to the needs of specific users, taking advantage of the knowledge acquired from the analysis of the user's navigational behavior (usage data) in correlation with other information collected in the Web context, namely, structure, content, and user profile data. Due to the explosive growth of the Web, the domain of Web personalization has gained great momentum both in the research and commercial areas. In this article we present a survey ...

23 Information technologies for the 1990s: an organizational impact perspective   77%

Detmar W. Straub , James C. Wetherbe
Communications of the ACM November 1989
Volume 32 Issue 11
> When a thing is new, people say: "It is not true." Later, when its truth becomes obvious, they say: "It is not important." Finally, when its importance cannot be denied, they say: "Anyway, it is not new." Adapted from William James

24 Database and digital library technologies: Decision tree classification of 77%
spatial data streams using Peano Count Trees
Qiang Ding , Qin Ding , William Perrizo
Proceedings of the 2002 ACM symposium on Applied computing March 2002
> Many organizations have large quantities of spatial data collected in various application areas, including remote sensing, geographical information systems (GIS), astronomy, computer cartography, environmental assessment and planning, etc. These data collections are growing rapidly and can therefore be considered as spatial data streams. For data stream classification, time is a major issue. However, these spatial data sets are too large to be classified effectively in a reasonable amount of tim ...

25 Estimating business targets 77%
Piew Datta , James H. Drew , Andrew Betz , D. R. Mani , Jeffery Howard
Proceedings of the seventh ACM SIGKDD international conference on Knowledge discovery and data mining August 2001
> Determining and setting maximal revenue expectations or other business performance targets---whether it is for regional company divisions or individual customers---can have profound financial implications. Operational techniques are changed, staffing levels are altered and management attention is re-focused---all in the name of expectations. In practice these expectations are often derived in an ad hoc manner. To address this unsupervised task, we combine nearest neighbor methods and classical s ...

26 Discovering associations with numeric variables 77%
Geoffrey I. Webb
Proceedings of the seventh ACM SIGKDD international conference on Knowledge discovery and data mining August 2001
> This paper further develops Aumann and Lindell's [3] proposal for a variant of association rules for which the consequent is a numeric variable. It is argued that these rules can discover useful interactions with numeric data that cannot be discovered directly using traditional association rules with discretization. Alternative measures for identifying interesting rules are proposed. Efficient algorithms are presented that enable these rules to be discovered for dense data sets for which applica ...

27 A streaming ensemble algorithm (SEA) for large-scale classification 77%
W. Nick Street , YongSeog Kim
Proceedings of the seventh ACM SIGKDD international conference on Knowledge discovery and data mining August 2001
> Ensemble methods have recently garnered a great deal of attention in the machine learning community. Techniques such as Boosting and Bagging have proven to be highly effective but require repeated resampling of the training data, making them inappropriate in a data mining context. The methods presented in this paper take advantage of plentiful data, building separate classifiers on sequential chunks of training points. These classifiers are combined into a fixed-size ensemble using a heuristic r ...

28 Mining a stream of transactions for customer patterns   77%

Diane Lambert , José C. Pinheiro

Proceedings of the seventh ACM SIGKDD international conference on Knowledge discovery and data mining August 2001

Transaction data can arrive at a ferocious rate in the order that transactions are completed. The data contain an enormous amount of information about *customers*, not just transactions, but extracting up-to-date customer information from an ever changing stream of data and mining it in real-time is a challenge. This paper describes a statistically principled approach to designing short, accurate summaries or *signatures* of high dimensional customer behavior that can be kept current w ...

29 Data mining with sparse grids using simplicial basis functions   77%

Jochen Garcke , Michael Griebel

Proceedings of the seventh ACM SIGKDD international conference on Knowledge discovery and data mining August 2001

Recently we presented a new approach [18] to the classification problem arising in data mining. It is based on the regularization network approach but, in contrast to other methods which employ ansatz functions associated to data points, we use a grid in the usually high-dimensional feature space for the minimization process. To cope with the curse of dimensionality, we employ sparse grids [49]. Thus, only $O(hn^{-1}n^{d-1})$ instead of ...

30 On the quantification of e-business capacity   77%

Moises Goldszmidt , Derek Palma , Bikash Sabata

Proceedings of the 3rd ACM conference on Electronic Commerce October 2001

In order for current e-Businesses to mature from hastily assembled systems and applications, formal processes must be put in place for planning and budgeting, pricing and costing, and for establishing quality of service and service--level assurances. There are many challenges that e-Businesses face in formalizing these processes. The most important problem is to bridge the semantic disconnect between business objectives and the information system performance objectives. Next, the characterizatio ...

31 Exploring data mining implementation   77%

Karim K. Hirji

Communications of the ACM July 2001
Volume 44 Issue 7

32 A framework for constructing features and models for intrusion   77%
detection systems

Wenke Lee , Salvatore J. Stolfo

ACM Transactions on Information and System Security (TISSEC) November 2000
Volume 3 Issue 4

Intrusion detection (ID) is an important component of infrastructure protection mechanisms. Intrusion detection systems (IDSs) need to be accurate, adaptive, and extensible. Given these requirements and the complexities of today's network environments, we need a more systematic and automated IDS development process rather that the pure knowledge encoding and engineering approaches. This article describes a novel framework, MADAM ID, for Mining Audit Data for Automated Models for Instrusion ...

33 Commonsense-based interfaces   77%
Marvin Minsky
Communications of the ACM August 2000
Volume 43 Issue 8

34 Data mining techniques for optimizing inventories for electronic   77%
commerce
Anjali Dhond , Amar Gupta , Sanjeev Vadhavkar
**Proceedings of the sixth ACM SIGKDD international conference on Knowledge
discovery and data mining** August 2000

35 Predictive modeling in automotive direct marketing: tools, experiences   77%
and open issues
Wendy Gersten , Rüdiger Wirth , Dirk Arndt
**Proceedings of the sixth ACM SIGKDD international conference on Knowledge
discovery and data mining** August 2000

36 Content-based book recommending using learning for text   77%
categorization
Raymond J. Mooney , Loriene Roy
Proceedings of the fifth ACM conference on Digital libraries June 2000
Recommender systems improve access to relevant products and information by
making personalized suggestions based on previous examples of a user's likes and
dislikes. Most existing recommender systems use collaborative filtering methods that
base recommendations on other users' preferences. By contrast,content-based
methods use information about an item itself to make suggestions.This approach has
the advantage of being able to recommend previously unrated items to users with
unique interes ...

37 Semantic discrimination analysis for feature selection   77%
James F. Baldwin , Trevor P. Martin , Christiane Ponsan
Proceedings of the 2000 ACM symposium on Applied computing March 2000

38 Announcements   77%
Amruth Kumar
intelligence April 2000
Volume 11 Issue 1

39 High performance computing with the Array package for Java: a case   77%
study using data mining
J. E. Moreira , S. P. Midkiff , M. Gupta , R. Lawrence
Proceedings of the 1999 ACM/IEEE conference on Supercomputing (CDROM)
January 1999

40 Design concepts as basis for organizing software catalogs   77%
Mehdi Jazayeri , Georg Trausmuth
Proceedings of the 1996 ACM symposium on Applied Computing February 1996

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41 Strategic directions in simulation research (panel)   77%
Ernest H. Page , David M. Nicol , Osman Balci , Richard M. Fujimoto , Paul A. Fishwick , Pierre L'Ecuyer , Roger Smith
Proceedings of the 31st conference on Winter simulation: Simulation---a bridge to the future - Volume 2 December 1999

42 Announcements   77%
Amruth Kumar
intelligence December 1999
Volume 10 Issue 4

43 Intuitive decision-making   77%
Vicki L. Sauter
Communications of the ACM June 1999
Volume 42 Issue 6

44 Clustering techniques for large data sets—from the past to the future 77%
Daniel A. Keim , Alexander Hinneburg
Tutorial notes of the fifth ACM SIGKDD international conference on Knowledge discovery and data mining August 1999

45 ANNIE: a simulated neural network for empirical studies and application 77%
prototyping
Wendy L. Huxhold , Troy F. Henson , J. Dan Bowman
Proceedings of the 25th annual symposium on Simulation April 1992

46 Adaptive agents in a persistent shout double auction   77%
Chris Preist , Maarten van Tol
Proceedings of the first international conference on Information and computation economies October 1998

47 Announcements   77%
Amruth Kumar
intelligence March 1999
Volume 10 Issue 1

48 The society of objects   77%
Mario Tokoro
ACM SIGPLAN OOPS Messenger , Addendum to the proceedings on Object-oriented programming systems, languages, and applications (Addendum) April 1993
Volume 5 Issue 2

49 Cognitive architectures and HCI   77%
Susan S. Kirschenbaum , Wayne D. Gray , Richard M. Young
ACM SIGCHI Bulletin April 1996
Volume 28 Issue 2
The Cognitive Architectures and Human-Computer Interaction Workshop examined computational cognitive modeling approaches to human-computer interaction issues (HCI). The five major architectures and variations represented were briefly summarized. Participants compared approaches to a set of selected HCI problems and alternative solutions, and compared the strengths and weaknesses of the architectures. A list of additional issues was generated and discussed.

50 Strategic directions in artificial intelligence   77%
Jon Doyle , Thomas Dean
ACM Computing Surveys (CSUR) December 1996
Volume 28 Issue 4

51 Object-oriented AI: a commercial perspective   77%
Paul Harmon
Communications of the ACM November 1995
Volume 38 Issue 11
Computer journals and magazines are currently filled with stories about object technology, just as they were filled with stories about artificial intelligence (AI) and expert systems in the early 1980s. The naive reader might think that expert systems technology had failed and that object-oriented technology was the hot new software approach of the 1990s.

52 Human-computer communication and response   77%
Doris S. Shaw , Dershung Yang , James Garett , Suresh Bhavnani
Proceedings of the 1993 ACM conference on Computer science March 1993
Human beings learn to communicate through mutual efforts to develop shared understandings within a given context. With neural network technology, computers may learn to identify objects and behaviors in the CAD context by which they may "understand" the needs of designers. This capability can enable the computer to

respond adaptively to assist individual users.

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